Name:		Class:	Date:
Unit 02 Digital	<u>Devices</u>		
True / False			
1. Peripheral dev	vices are generally attache	ed to a computer with cables or a wireless co	onnection.
a. True			
b. False			
ANSWER:	True		
REFERENCES:	Computers		
2. The CPU of n	nost modern computers is	a microprocessor.	
a. True			
b. False			
ANSWER:	True		
REFERENCES:	Computers		
3. Processing is	handled by the computer's	s central processing unit (CPU).	
a. True			
b. False			
ANSWER:	True		
REFERENCES:	Computers		
4. The term 'stor	red program' means that a	series of instructions for a computing task of	can be loaded into a computer's
memory.			
a. True			
b. False			
ANSWER:	True		
REFERENCES:	Computers		
5. The ability to	switch between programs	makes computers multipurpose devices.	
a. True			
b. False			
ANSWER:	True		
REFERENCES:	Computers		
6. System softwa	are is a set of computer pr	ograms that helps a person carry out a task.	,
a. True			
b. False			
ANSWER:	False		
REFERENCES:	Computers		
7. An example o	of system software is a con	nputer operating system.	
a. True			
b. False			

True

REFERENCES: Computers

Name:		Class:	Date:
Unit 02 Digital	<u>Devices</u>		
8. Semiconducto a. True	ors are substances with properties	between those of a conductor an	nd an insulator.
b. False			
ANSWER:	True		
REFERENCES:	Circuits and Chips		
9. An DIP is a so a. True	quare chip package, typically used	for microprocessors, with pins	arranged in concentric squares.
b. False			
ANSWER:	False		
REFERENCES:	Circuits and Chips		
10. LGAs have to a. True	two rows of pins that connect the	chip to a circuit board.	
b. False			
ANSWER:	False		
REFERENCES:	Circuits and Chips		
11. Component a. True	systems are currently the most pop	pular form factor for digital devi	ices.
b. False			
ANSWER:	False		
REFERENCES:	Components		
a. True	epan is the time your device operat	es before it must be recharged.	
b. False			
ANSWER:	False		
REFERENCES:	Maintenance		
13. Battery life i a. True	is the time your device operates be	efore it must be recharged.	
b. False			
ANSWER:	True		
REFERENCES:	Maintenance		
14. A desktop is output.	s a portable computing device feat	uring a touch-sensitive screen th	at can be used for input as well as for

False REFERENCES: Personal Computers

a. True b. False

Name:	Class: Date:
Unit 02 Digital	<u>Devices</u>
	et configuration is basically a screen in a narrow frame that lacks a physical keyboard.
a. True	
b. False	
ANSWER:	True
REFERENCES:	Personal Computers
16. Smartphones	s evolved from basic cell phones and PDAs.
b. False	
ANSWER:	True
REFERENCES:	Personal Computers
a. True	ng systems for smartphones are radically different to those used for tablet computers.
b. False	
ANSWER:	False
REFERENCES:	Personal Computers
	es are multifunction devices that can include a camera, thermometer, compass, calculator, cell phone, yer, and fitness tracker.
b. False	
ANSWER:	True
REFERENCES:	
19. Computers v	with the same operating systems can typically use the same software and peripheral devices.
a. True	
b. False	
ANSWER:	True
REFERENCES:	Choosing a Digital Device
power desktops a. True	ation is the world's largest chipmaker and supplies a sizeable percentage of the microprocessors that and laptops.
b. False	
ANSWER:	True
REFERENCES:	Microprocessors
-	cessors follow Intel's original numbering sequence.
a. True	
b False	

False

REFERENCES: Microprocessors

Name:	Class:	Date:

Unit 02 Digital Devices

- 22. The Intel i7 microprocessor is x86 compatible.
 - a. True
 - b. False

ANSWER: True

REFERENCES: Microprocessors

- 23. Athlon and A-series processors manufactured by AMD are NOT x86 compatible.
 - a. True
 - b. False

ANSWER: False

REFERENCES: Microprocessors

- 24. ARM-based processors are not especially energy efficient.
 - a. True
 - b. False

ANSWER: False

REFERENCES: Microprocessors

- 25. x86 processors use a different instruction set than ARM processors.
 - a. True
 - b. False

ANSWER: True

REFERENCES: How Processors Work

- 26. The term instruction cycle refers to the process in which a computer executes a single instruction.
 - a. True
 - b. False

ANSWER: True

REFERENCES: How Processors Work

- 27. During an instruction cycle, all parts of the instruction are performed by the microprocessor's control unit.
 - a. True
 - b. False

ANSWER: False

REFERENCES: How Processors Work

- 28. Most computer ads specify the speed of a microprocessor in gigahertz.
 - a. True
 - b. False

ANSWER: True

REFERENCES: Performance

Name:	Class:Date:
Unit 02 Digital	
	processor that executes more than one instruction at a time is referred to as a parallel processor.
a. True	1 1
b. False	
ANSWER:	True
REFERENCES:	Performance
30. RAM is vola	tile.
a. True	
b. False	
ANSWER:	True
REFERENCES:	Random Access Memory
31. ROM is tempa. True	porary and volatile, RAM is more permanent and non-volatile.
b. False	
ANSWER:	False
REFERENCES:	Read-Only Memory
32. A hard disk	drive is an example of magnetic storage.
a. True	
b. False	
ANSWER:	True
REFERENCES:	Magnetic Storage Technology
33. Solid state st	orage stores data in erasable, rewritable circuitry, rather than on spinning disks or streaming tape.
a. True	
b. False	
ANSWER:	True
REFERENCES:	Solid State Storage Technology
34. Memory card a. True b. False	ds are typically volatile.
ANSWER:	False
REFERENCES:	Solid State Storage Technology
35. A solid state	drive can be used as a substitute for a hard disk drive.

True

REFERENCES: Solid State Storage Technology

a. Trueb. False

Name:		Class:	Date:
Unit 02 Digital	Devices		
36. All remote s	storage is considered to be clou	nd storage.	
b. False			
ANSWER:	False		
REFERENCES:	Cloud Storage		
37. When a peri a. True	pheral device is connected or o	disconnected while the host devic	e is operating, it is called hot-plugging.
b. False			
ANSWER:	True		
REFERENCES:	Expansion Ports		
38. In a display a. True	device, response rate is the tim	ne it takes for one pixel to change	from black to white then back to black.
b. False			
ANSWER:	True		
REFERENCES:	Display Devices		
39. A laser print a. True	er has a nozzle-like print head	that sprays ink onto paper to form	m characters and graphics.
b. False			
ANSWER:	False		
REFERENCES:	Printers		
Multiple Choic	e		
40. Which of the	e following is based on compu	ter technology?	
a. tablets			
b. ebook rea	aders		
c. game con	nsoles		
d. all of the			
ANSWER:	d		
REFERENCES:	Computers		
			
41 is da a. Output, I		iter is the result produced	d by a computer.
b. Input, Ou	ıtput		
c. Informat	ion, Binary data		
d. None of	the above		
ANSWER:	b		
REFERENCES:	Computers		

Name:	Class:	_ Date:
Unit 02 Digital	<u>Devices</u>	
42. Most compu	iters have temporary holding areas called	
a. output		
b. micropro	cessor	
c. CPU		
d. memory		
ANSWER:	d	
REFERENCES:	Computers	
43. The primary efficiently.	purpose of software is to help the computer system monitor itself in or	der to function
a. system		
b. application	on	
c. input		
d. memory		
ANSWER:	a	
REFERENCES:	Computers	
44. The electron a. system b b. motherbo c. main boa d. all of the	oard ard	
ANSWER:	d	
	Circuits and Chips	
a. form fact b. CPU c. system b d. system u	oard	
ANSWER:	d	
REFERENCES:		
46. The most po a. nickel-ca b. alkaline c. lithium id. none of t	on	
ANSWER:		
	C Maintananca	
REFERENCES:	wannendie	

Name:	Class:	Date:
Unit 02 Digital	<u>Devices</u>	
47. At its time of	of construction, one of the fastest computers in the world is referred t	to as a(n)
a. mainfran		
b. supercon	nputer	
c. minicom	puter	
d. all of the	above	
ANSWER:	b	
REFERENCES.	Enterprise Computers	
48. Originally c	alled microcomputers, are designed to meet the computines	ing needs of individuals.
b. personal	computers	
c. microcon	nputers	
d. servers		
ANSWER:	b	
REFERENCES.	Personal Computers	
49. Which of th like a clam shel a. Desktop		personal computer that is designed
b. Laptop c	omputer	
c. Server		
d. Tablet		
ANSWER:	b	
REFERENCES.	Personal Computers	
a. iOS	e following is an example of an operating system that is used by sma	artphones?
b. Android		
c. Window		
d. All of the		
ANSWER:	d	
REFERENCES.	Personal Computers	
	rigerators, washing machines, and other appliances are controlled by that combine sensors with processing circuitry.	integrated circuits called
a. microco	ntrollers	
b. microcon	nputers	
c. servers		
d. microde	vices	
ANSWER:	a	
REFERENCES:	· Niche Devices	

Name:		Class:	Date:
Unit 02 Digital	<u>Devices</u>		
	computer should you consi op publishers, and video edi		that is ideal for dedicated gamers, serious
a. Laptop			
b. Desktop			
c. Tablet			
d. Smartpho	ne		
ANSWER:	b		
REFERENCES:	Choosing a Digital Device		
53. What type of content	computer should you consi	ider purchasing if you want a portable	e system that is great for consuming
such as ebooks, a. Tablet	nusic, and videos but not so	great for creating content or multitas	sking?
b. Smartpho	ne		
c. Desktop			
d. Laptop			
ANSWER:	a		
REFERENCES:	Choosing a Digital Device		
		ider purchasing if you want a portable tent and be productive, in addition to	e system that is good for students and on- consuming content?
b. Laptop			
c. Tablet			
d. Smartpho	ne		
ANSWER:	b		
REFERENCES:	Choosing a Digital Device		
55. A(n)	contains a collection	on of instructions for actions that the c	circuitry in a microprocessor can
perform.			
a. ALU			
b. ARM			
c. microprod	cessor		
d. instruction	n set		
ANSWER:	d		
REFERENCES:	How Processors Work		

Name:		Class:	Date:
Unit 02 Digital	<u>Devices</u>		
		erstand programming languages, so programs he microprocessor's instruction set.	ave to be converted into
a. application	ons	-	
b. machine	language		
c. micropro	cessors		
d. ARM			
ANSWER:	b		
REFERENCES:	How Processors Wor	k	
57. In a micropr	ocessor, the	fetches instructions.	
b. registerc. CPU			
d. control u	nit		
ANSWER:	d		
REFERENCES:	How Processors Wor	k	
58. Processors that a. serial	hat execute one instruc	etion at a time are considered to be pro	ocessors
b. parallel			
c. pipeline			
d. none of t	he above		
ANSWER:	a		
REFERENCES:	Performance		
	s a temporary holding	area for data and programs.	
a. CISC			
b. RAM			
c. ROM			
d. RISC			
ANSWER:	b		
REFERENCES:	Random Access Men	nory	
60. Which of the	-	rtant consideration when evaluating storage opti	ons for digital devices?
b. Dependa	bility		
c. Capacity	•		
d. All of the	e above		
ANSWER:	d		
REFERENCES:	Storage Basics		

Name:		Class:	Date:
Unit 02 Digital	<u>Devices</u>		
a. They are		sk drives are so popular?	
ANSWER:	b		
	Magnetic Storage Technology		
62 i a. Access tir b. Data tran c. Bitrate d. RPM		n move per second from the	storage medium to RAM.
ANSWER:	b		
REFERENCES:	Magnetic Storage Technology		
changed. a. Read-only b. Recordab c. Rewritab d. None of t ANSWER:	le le	ently on a disc, which canno	ot be subsequently added to or
64. Which of the a. Increased b. High price c. Possible s	e following is NOT drawback of using classecurity risk. e of storage. service outage. uuation of service. b	oud storage?	
65. The main cir a. ROM b. RAM c. expansion d. data bus ANSWER:	cuits on the system board that carry datant bus	are called the	

REFERENCES: Expansion Ports

Name:	Class:	Date:
Unit 02 Digital	<u>Devices</u>	
66. The part of t	the data bus that runs between the microprocessor and RAM is called the	_ bus.
a. local		_
b. expansion	n	
c. USB		
d. network		
ANSWER:	a	
	Expansion Ports	
67. Which of the	e following is NOT an example of an expansion port?	
a. Thundert		
b. USB 3.0		
c. HDMI		
d. RAM		
ANSWER:	d	
REFERENCES:	Expansion Ports	
68. A(n)	is software that helps a peripheral device establish communication with its	host device.
a. device hu	ub	
b. device dr	river	
c. hot-plug		
d. data bus		
ANSWER:	b	
REFERENCES:	Device Drivers and Apps	
69. The advanta	ges of LCD screens include display clarity, low radiation emission, portability, a	nd compactness.
a. display c	larity	
b. low radia	ation emission	
c. portabilit	ty	
d. all of the	above	
ANSWER:	d	
REFERENCES:	Display Devices	
Completion		
	is a multipurpose device that accepts input, processes data, stores data, and	produces output, all
•	eries of stored instructions.	
ANSWER:	computer	
REFERENCES:	Computers	
	and printers are two examples of devices.	
ANSWER:	peripheral	
REFERENCES:	Computers	

Name:	Class:	Date:
Unit 02 Digital	l Devices	
	process by performing calculations, modifying documents and picture words or numbers.	res, drawing graphs, and
ANSWER:	data	
REFERENCES:		
	•	
	s that tell a computer how to carry out processing tasks are referred to as a comput	ter
ANSWER:	program, application	
REFERENCES:	: Computers	
74. The collection	ion of programs on a computer is referred to as	
ANSWER:	software	
REFERENCES:	: Computers	
75. Computers r	run three main types of software: application software, development tools, and	software.
ANSWER:	system	
REFERENCES:	: Computers	
76 Software an	oplications are sometimes referred to as, especially in the context of hand	dheld devices
ANSWER:	apps, app	anoid de vices.
REFERENCES:		
77. An integrate as silicon.	ed circuit is a set of microscopic electronic circuits etched onto a thin slice of	material such
ANSWER:	semiconducting, semiconductor	
REFERENCES:	: Circuits and Chips	
78. The	houses all essential chips and provides connecting circuitry between them.	
ANSWER:	system board, motherboard, main board	
REFERENCES:	: Circuits and Chips	
79. In the comp	outer industry, the term refers to the size and dimensions of a device of	r components.
ANSWER:	form factor	
REFERENCES:	: Components	
80	_ devices have a keyboard as the base and a screen on the hinged cover.	
ANSWER:	Clamshell, notebook, laptop	
REFERENCES:		
0.4 579		
	form factor features a touchscreen that covers most of the device's surface.	
ANSWER:		
REFERENCES:	: Components	
82. Many touch	ascreens have an coating designed to repel the oils deposited by finger	tips.
ANSWER:	oleophobic	
REFERENCES:	: Maintenance	

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Unit 02 Digital	<u>Devices</u>	
83. A large, clos likely a	set-sized computer capable of simultaneously processing data fo computer. mainframe	or hundreds or thousands of users is most
	Enterprise Computers	
REI EREIVEES.	Enterprise Computers	
_	that is primarily used to serve data to other computers on a netw	vork is called a(n)
ANSWER:	server	
REFERENCES:	Enterprise Computers	
85. Aactivities.	is a special category of laptop, designed to be connected to	the Internet for most routine computing
ANSWER:	Chromebook	
REFERENCES:	Personal Computers	
	are mobile devices that have features similar to tablet compions capabilities over cell phone networks.	outers, but also provide
ANSWER:	Smartphones, Smartphone	
REFERENCES:	Personal Computers	
	es, smartglasses, and fitness trackers can be classified as	_ computers.
ANSWER:	wearable	
REFERENCES:	Niche Devices	
•	ces such as NOOK and the Kindle, that are designed for displaying nagazines, and newspapers are referred to as ebook readers	ing the content of digital publications,
REFERENCES:	Niche Devices	
89. Head-mount <i>ANSWER:</i>	ed digital devices designed to look like eyeglasses are called smartglasses	.
REFERENCES:	Niche Devices	
pocket, monitor	activity throughout the day, you can wear a These your steps and heart rate.	devices, worn on the wrist or clipped to a
ANSWER:	fitness tracker	
REFERENCES:	Niche Devices	
91. Computers to <i>ANSWER</i> :	hat operate in essentially the same way and use the same softwa compatible	are are said to be
REFERENCES:	Choosing a Digital Device	
92. A(n)	is an integrated circuit designed to process instructions.	
ANSWER:	microprocessor	
REFERENCES:	Microprocessors	

Name:	Class:	Date:
Unit 02 Digital	<u>Devices</u>	
93. In 1971, Inte	el introduced the world's first microprocessor called the	
	Microprocessors	
94. Theservers.	chip family set the standard for processors used in today's des	sktop and laptop computers, as well as
ANSWER:	8086, x86.	
REFERENCES:	Microprocessors	
95. The processor ANSWER:	ors that are found in just about all desktop and laptop computers are x86	e compatible.
REFERENCES:	Microprocessors	
96. Processors b	pased on technology dominate tablet computers and smartphor ARM	nes.
KEFEKENCES.	Microprocessors	
97 proces phones.	sors are found in Microsoft's Surface tablets, Apple's iPads and iPl	nones, and Samsung's lineup of Galaxy
ANSWER:	ARM	
REFERENCES:	Microprocessors	
-	ssors are hard-wired to perform a limited, preprogrammed set of act	civities called a(n)
ANSWER:	instruction set	
REFERENCES:	How Processors Work	
99. Thesubtraction.	is the part of the microprocessor that performs arithmetic o	perations, such as addition and
ANSWER:	ALU, arithmetic logic unit	
	How Processors Work	
100 The ALLL	to hold dote that is being muccosed	
	uses to hold data that is being processed.	
ANSWER:	registers	
REFERENCES:	How Processors Work	
_	ogram begins, the memory address of the first instruction is placed ed a(n)	in a part of the microprocessor's
ANSWER:	instruction pointer	
REFERENCES:	How Processors Work	
_	sor, the timing device that sets the pace for executing instructions is	s called the
ANSWER:	microprocessor clock	
REFERENCES:	Performance	

Name:	Class:	Date:
Unit 02 Digital	<u>Devices</u>	
103. A micropro <i>ANSWER</i> :	cessor that contains circuitry for more than one processing unit is called a multicore, multi-core, multi core	processor.
REFERENCES:		
from memory lo	is special high-speed memory that allows a microprocessor to accest cated elsewhere on the system board.	s data more rapidly than
	CPU cache, cache	
REFERENCES:	Performance	
105. If a program	n exceeds its allocated space, the operating system uses an area of the hard di y.	sk or other storage device a
ANSWER:	virtual	
REFERENCES:	Random Access Memory	
106 is	the term used for the components of a digital device designed to hold data pe	rmanently.
ANSWER:	Storage, Permanent storage	
REFERENCES:	Storage Basics	
	orage represents data as microscopic light and dark spots on a disc surface.	
ANSWER:	Optical	
REFERENCES:	Optical Storage Technology	
	rage that is available as an Internet service is called storage.	
ANSWER:	cloud	
REFERENCES:	Cloud Storage	
	is a copy of one or more files that is made in case the originals become	ne damaged.
	backup, data backup	
REFERENCES:	Backup	
	contains parts of the operating system necessary to boot your com	puter and diagnose system
•	hard drive failure or software malfunction.	
ANSWER:	recovery drive, system repair disc	
REFERENCES:	Backup	
	is a bit-for-bit copy of the data from all sectors of a hard disk.	
	disk image	
REFERENCES:	Backup	
	device is used for devices such as printers, display devices, storag	ge devices, mice, and
headsets that are <i>ANSWER</i> :	connected to the system unit of a computer. peripheral	
	Add-On Gadgets	

Name:	Class:Da	ate:
Unit 02 Digital	<u>Devices</u>	
113. Ports that e	expand the options for input, output, and storage, they are commonly called	ports.
ANSWER:	expansion	
REFERENCES:	Expansion Ports	
114. A USB	is an inexpensive device that turns one USB port into multiple ports.	
ANSWER:	hub	
REFERENCES:	Expansion Ports	
115. A common	wireless technology for connecting peripherals is	
ANSWER:	Bluetooth	
REFERENCES:	Bluetooth	
	y device, is the distance in millimeters between like-colored LEDs.	
ANSWER:	dot pitch, dp	
REFERENCES:	Display Devices	
117. The number ANSWER:	er of horizontal and vertical pixels that a device displays on the screen is referred to as resolution	screen
REFERENCES:	Display Devices	
	card contains a(n) and special video memory, which stores screen image efore they are displayed.	s as they are
ANSWER:	graphics processing unit, GPU	
REFERENCES:	Display Devices	
119. A(n)	printer has a nozzle-like print head that sprays ink onto paper to form chara-	cters and graphics.
ANSWER:	ink jet, ink-jet, inkjet	
REFERENCES:	Printers	